

Appendix

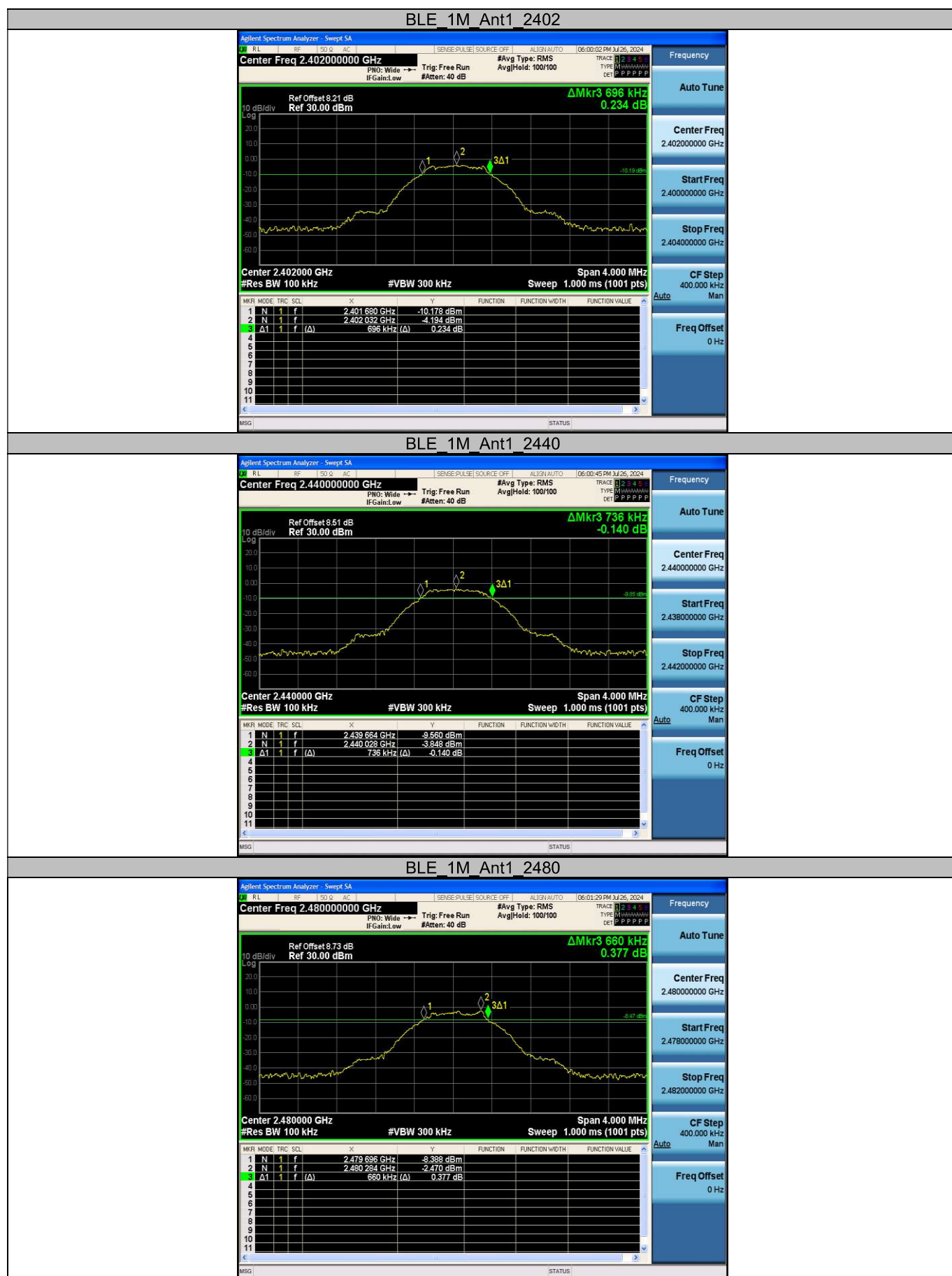
Both left and right earphones were tested, and the data was only retained for the poor left earphone

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.696	0.5	PASS
		2440	0.736	0.5	PASS
		2480	0.660	0.5	PASS
BLE_2M	Ant1	2402	1.076	0.5	PASS
		2440	1.168	0.5	PASS
		2480	1.124	0.5	PASS

Test Graphs



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix B: Maximum conducted output power

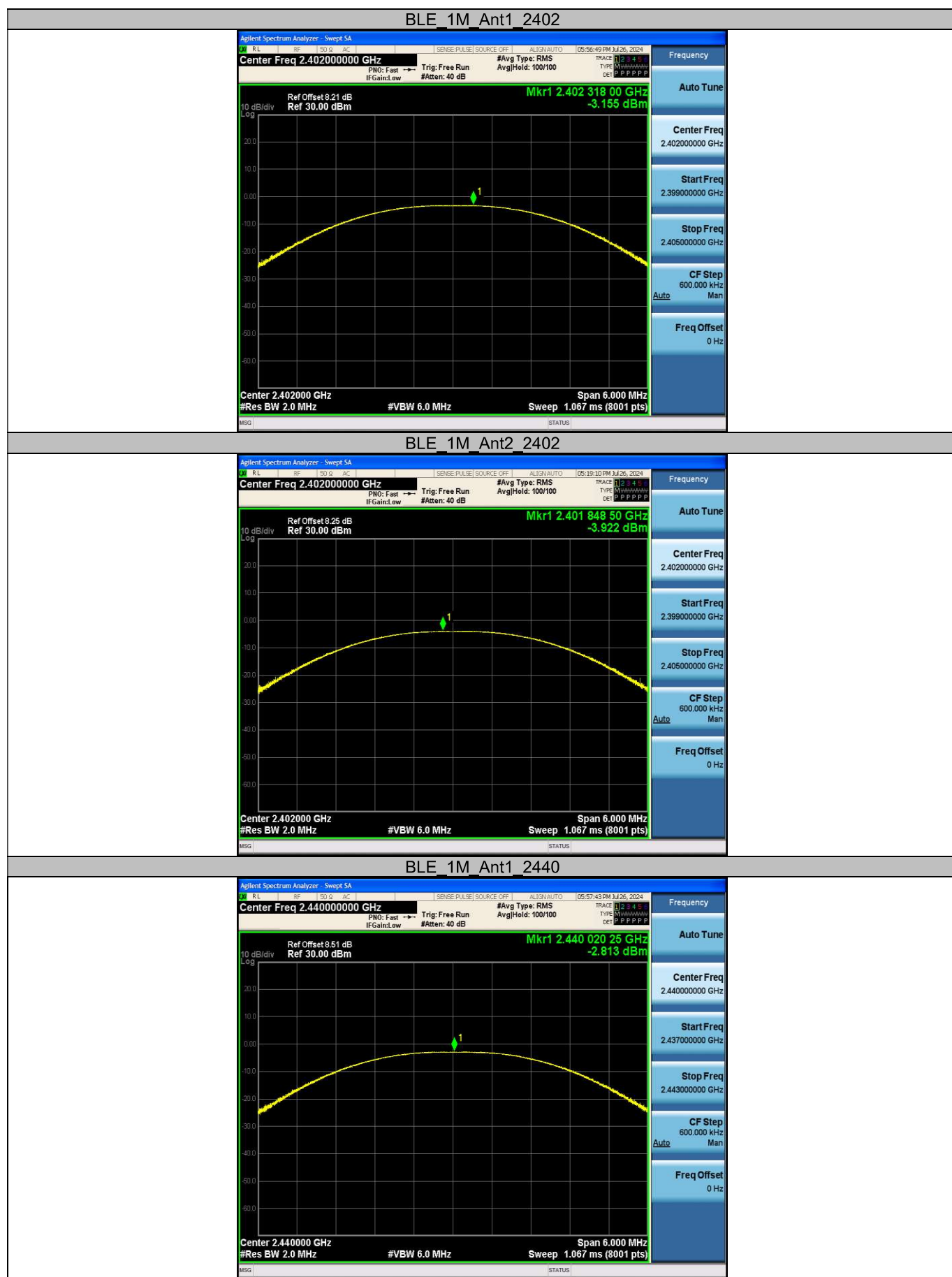
Test Result-Peak

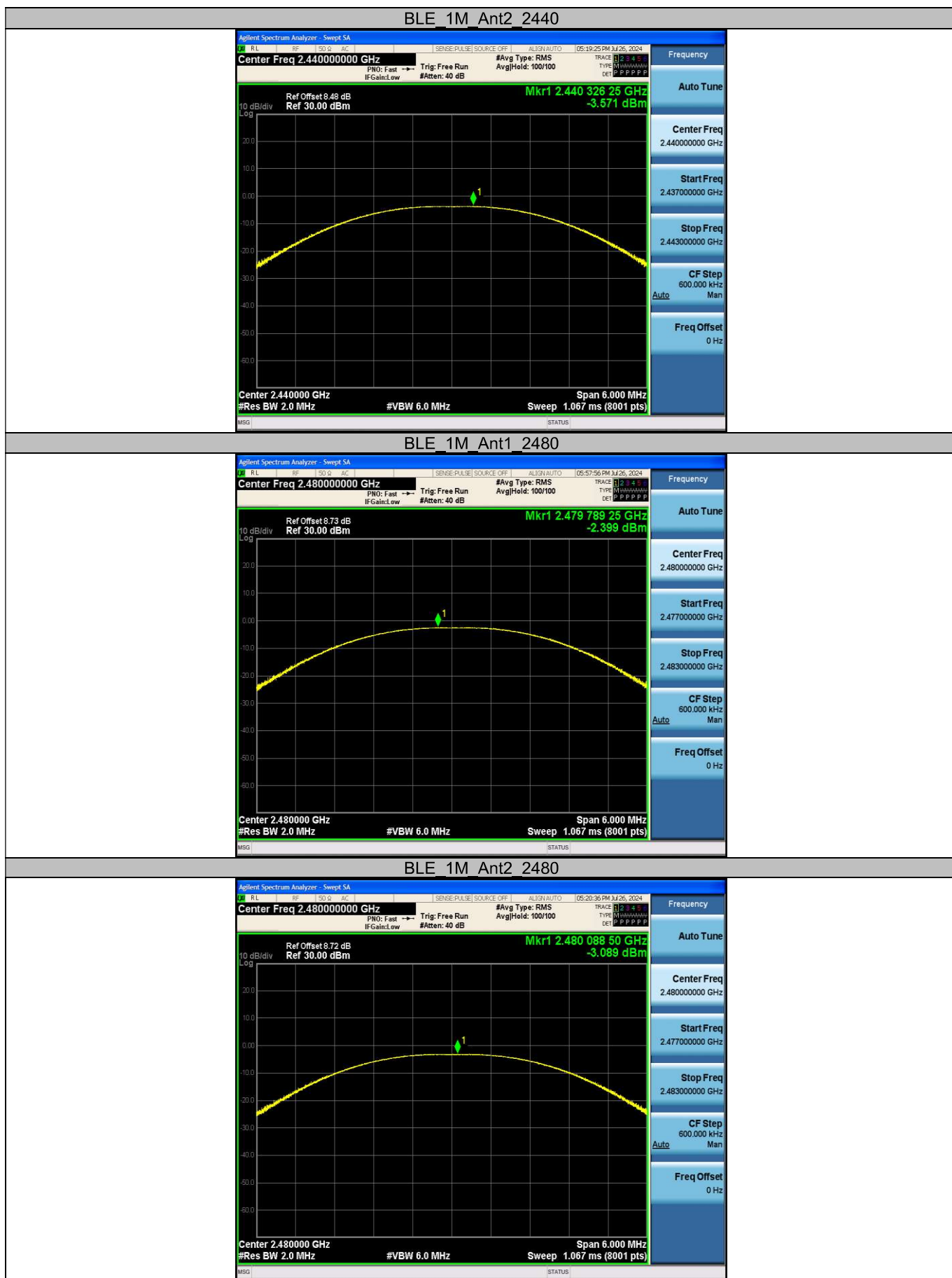
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-3.16	≤30	PASS
	Ant2	2402	-3.92	≤30	PASS
	Ant1	2440	-2.81	≤30	PASS
	Ant2	2440	-3.57	≤30	PASS
	Ant1	2480	-2.40	≤30	PASS
	Ant2	2480	-3.09	≤30	PASS
BLE_2M	Ant1	2402	-3.07	≤30	PASS
	Ant2	2402	-3.93	≤30	PASS
	Ant1	2440	-2.80	≤30	PASS
	Ant2	2440	-3.64	≤30	PASS
	Ant1	2480	-1.91	≤30	PASS
	Ant2	2480	-3.05	≤30	PASS

Ant1: L

Ant2: R

Test Graphs





BLE 2M Ant1 2402

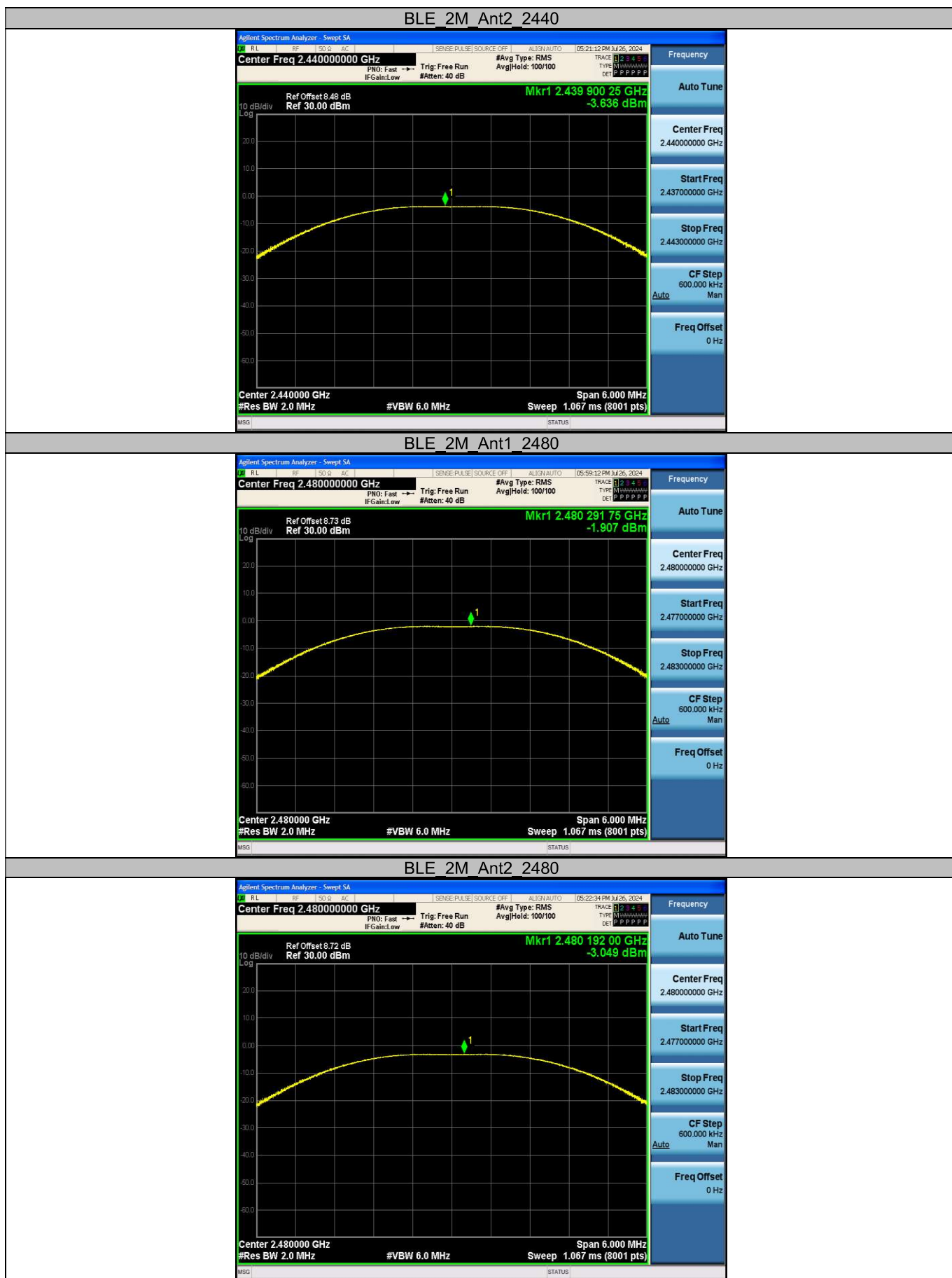


BLE 2M Ant2 2402



BLE 2M Ant1 2440



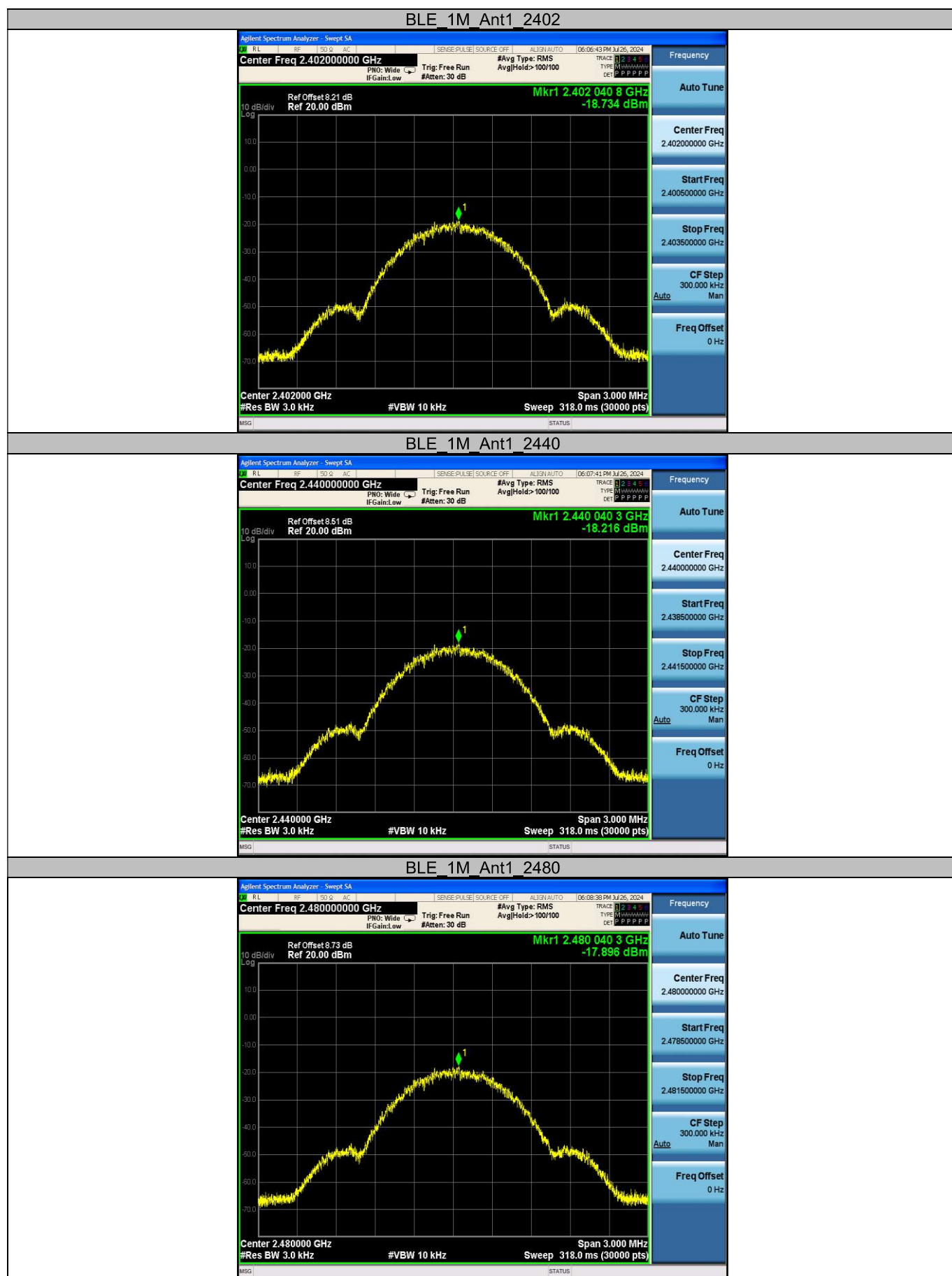


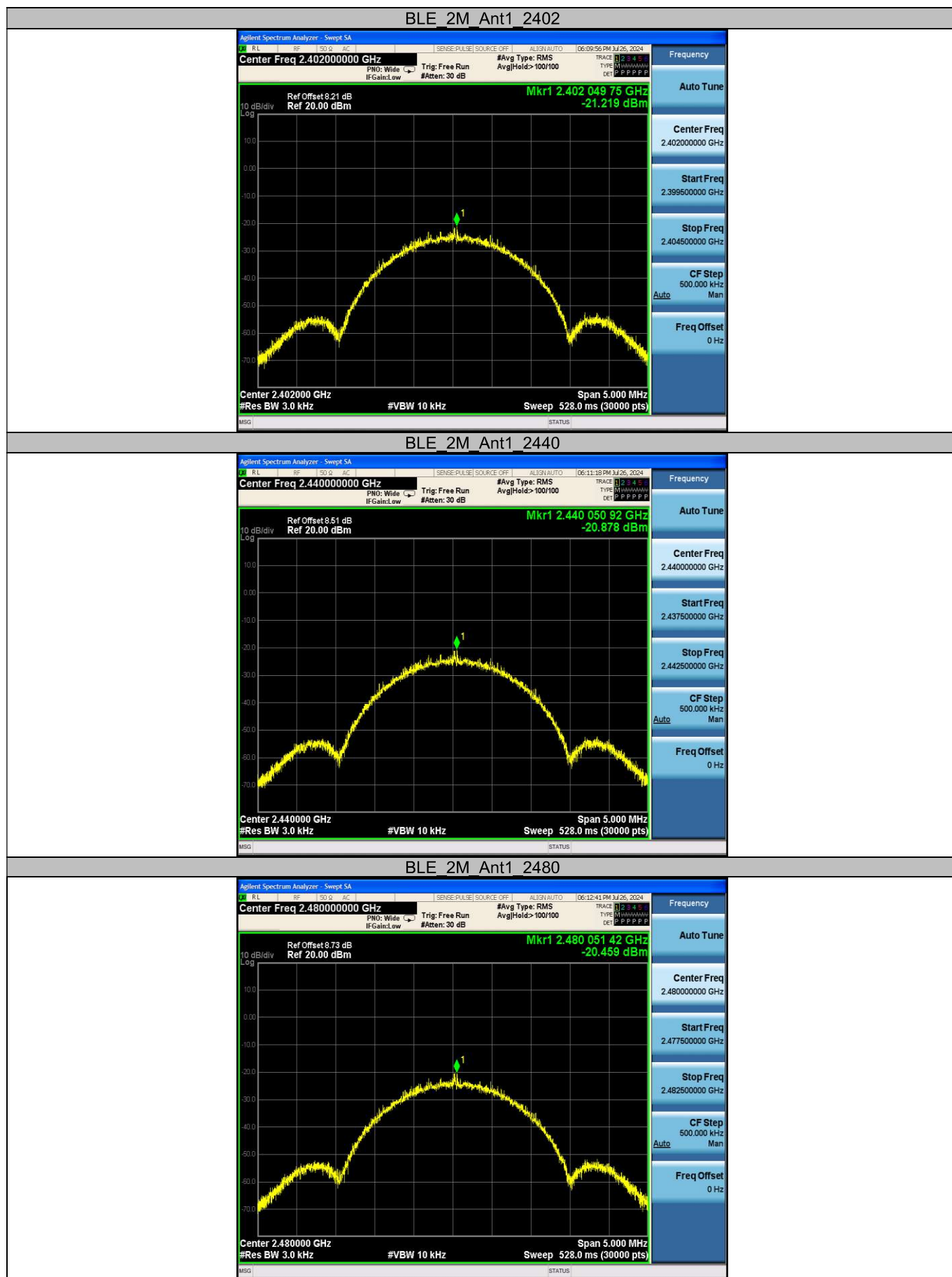
Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.73	≤8.00	PASS
		2440	-18.22	≤8.00	PASS
		2480	-17.90	≤8.00	PASS
BLE_2M	Ant1	2402	-21.22	≤8.00	PASS
		2440	-20.88	≤8.00	PASS
		2480	-20.46	≤8.00	PASS

Test Graphs

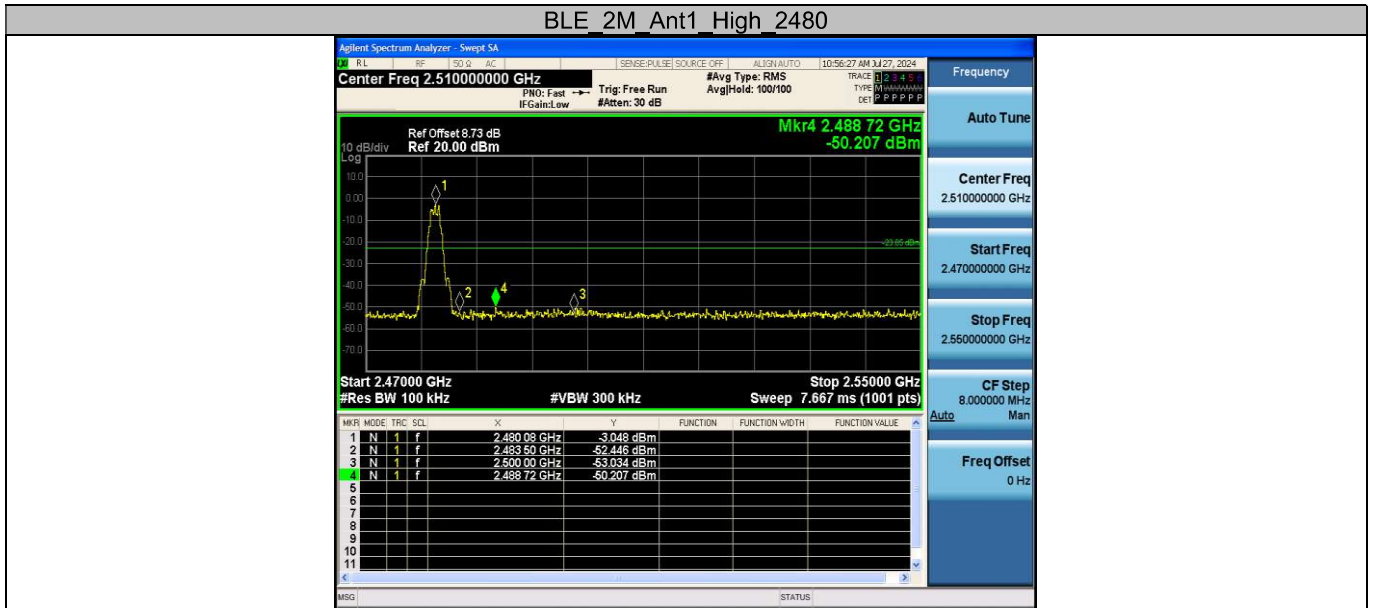




Appendix D: Band edge measurements

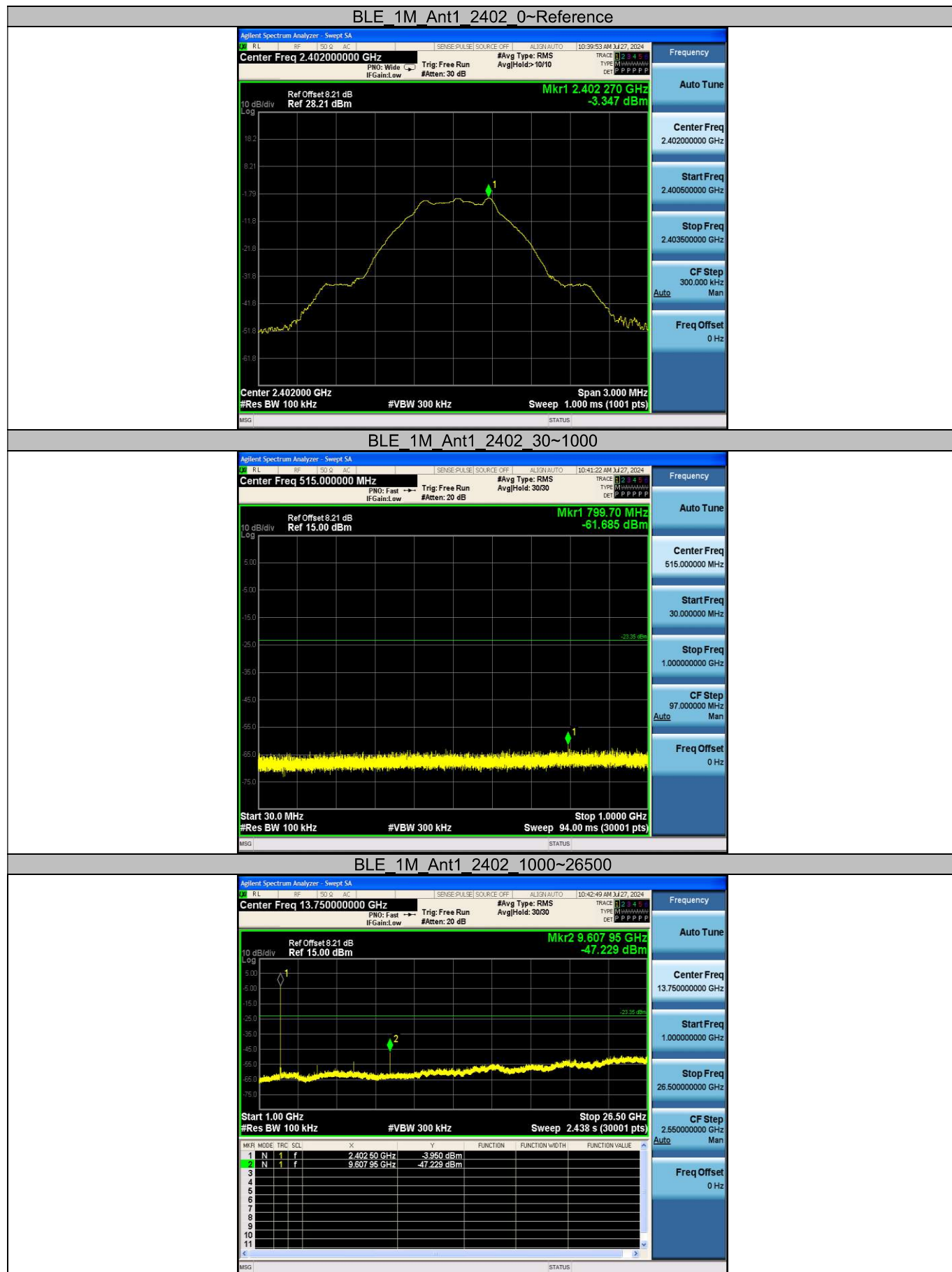
Test Graphs





Appendix E: Conducted Spurious Emission

Test Graphs













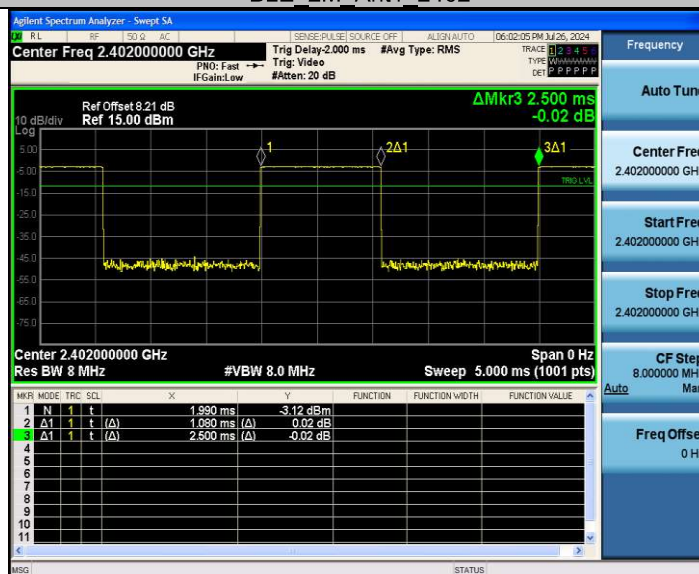
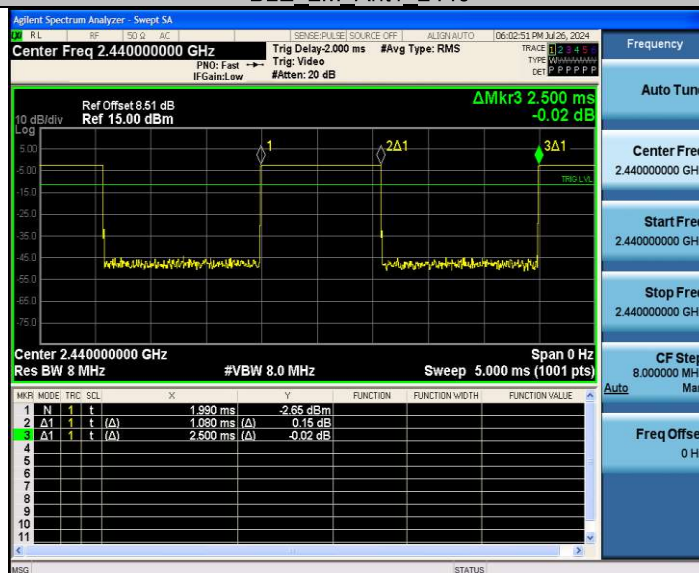
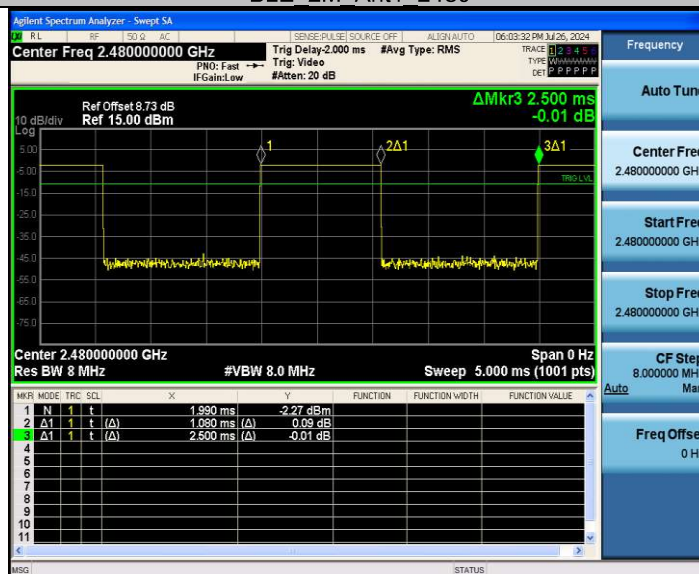
Appendix F: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.50	85.60	0.68
		2440	2.14	2.50	85.60	0.68
		2480	2.14	2.50	85.60	0.68
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
		2440	1.08	2.50	43.20	3.65
		2480	1.08	2.50	43.20	3.65

Test Graphs



BLE 2M Ant1 2402

BLE 2M Ant1 2440

BLE 2M Ant1 2480


----End of Report----